

Details regarding VLAC-008-4 site

Accreditation No.	VLAC-008-4
Name of Laboratory	Intertek Japan K.K
Test site name	Nagano Laboratory
Address	3226, Yokokawa, Tatsuno-machi, Kamiina-gun, Nagano
Responsible person	Yoshiaki Yoneyama
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— SCOPE OF ACCREDITATION —

【Measurement Method】

Emission Test

Radiated disturbance: Enclosure Port

Radiated field strength measurement (CISPR 16-2-3, ANSI C63.4:2003)

[Test Condition] * On the ground reference plane, Measurement distance: 3m, 10m
Frequency Range (30MHz~40GHz)

[Test Facilities] No.2, No.3 Open test Site

[Test Condition] Quasi Free Space, Frequency Range (1GHz~6GHz)

[Test Facilities] No.1 Open test Site

Radiated magnetic field strength measurement (CISPR16-2-3)

[Test Facilities] No.1, No.2, No.3 Open test Site,
No.1, No.2, No.3 Shielded Room

Disturbance power measurement (CISPR16-2-2)

[Test Facilities] No.1 Open test Site, No.1 Shielded Room

Conducted disturbance: AC mains port

Disturbance voltage measurement (CISPR 16-2-1, ANSI C63.4:2003)

[Test Condition] AMN, High-impedance Probe (CISPR 16-1-2)

[Test Facilities] No.1, No.2, No.3 Open test Site, No.1, No.2, No.3 Shielded Room

Conducted disturbance: Telecommunications port

Disturbance voltage measurement (CISPR 22 Clause 9.6 and Annex C)

[Test Condition] AAN (CISPR 16-1-2)

Disturbance current measurement (CISPR 22 Clause 9.6 and Annex C)

[Test Condition] Current probe (CISPR 16-1-2)

[Test Facilities] No.1, No.2, No.3 Open test Site, No.1, No.2, No.3 Shielded Room

Immunity Test

ESD (IEC61000-4-2), Radiated electromagnetic field strength (IEC61000-4-3),

EFT/B (IEC61000-4-4): AC mains port/Telecommunications port,

Surge (IEC61000-4-5): AC mains port,

RF conducted (IEC61000-4-6): AC mains port/Telecommunications port,

Power frequency magnetic field (IEC61000-4-8),

Interruptions and voltage variations/dip (IEC61000-4-11)

[Test Facilities] No.1, No.2 Shielded Room (Except Radiated immunity and
Power frequency magnetic field immunity)

No.4 SAC (Radiated immunity test only),

No.1, No.2 Open test Site (Power frequency magnetic field immunity only)

Harmonic Test in Public Low Voltage Systems

Harmonic current (IEC61000-3-2), Voltage fluctuations and flicker (IEC61000-3-3)

[Test Facilities] No.1 Open test Site

[Measurement Standard]

Emission Test

V-3 : VCCI Technical Requirement

FCC 47CFR/Part15 Subpart B/ANSI C63.4 (2003) ,

FCC 47CFR/Part18/MP-5

CISPR11, CISPR14-1, CISPR22, EN55011, EN55014-1, EN55022,

Clause 1 of ministerial ordinance (Article 4, 5 & 7): Technical requirement of Electrical Appliances and Material Safety Act for the disturbance noise level

Enforcement rule of Radio Law : Article 46.2 Clause 1 Section 5 (Broadband Power Line Communications Equipment)

J55001, J55014-1, J55022,

AS/NZS CISPR11, AS/NZS CISPR14.1, AS/NZS CISPR22, AS/NZS 3200.1.2

AS/NZS 61000.6.3, AS/NZS 61000.6.4, ICES-001, ICES-003,

CNS 13803, CNS 13438, CNS 13783-1

IEC61000-6-3, IEC61000-6-4, EN61000-6-3, EN61000-6-4

IEC60601-1-2(Particular requirement IEC60601-2 series),

EN60601-1-2((Particular requirement EN60601-2 series)

JIS T0601-1-2(Particular requirement JIS T0601-2 series)

IEC61326-1(Particular requirement IEC61326-2 series),

EN61326-1(Particular requirement EN61326-2 series), JIS C1806-1

Immunity Test

CISPR14-2, CISPR24, EN55014-2, EN55024

IEC61000-6-1, IEC61000-6-2, EN61000-6-1, EN61000-6-2, AS/NZS 3200.1.2

AS/NZS CISPR14.2, AS/NZS CISPR24, AS/NZS 61000.6.1, AS/NZS 61000.6.2

JIS C61000-6-1, JIS C61000-6-2, J 1000

IEC60601-1-2(Particular requirement IEC60601-2 series),

EN60601-1-2((Particular requirement EN60601-2 series)

JIS T0601-1-2(Particular requirement JIS T0601-2 series)

IEC61326-1(Particular requirement IEC61326-2 series),

EN61326-1(Particular requirement EN61326-2 series), JIS C1806-1

Harmonic Test in Public Low Voltage Systems

IEC61000-3-2, JIS C61000-3-2, EN61000-3-2, IEC61000-3-3, EN61000-3-3

IEC61000-3-12, EN61000-3-12, IEC61000-3-11, EN61000-3-11

AS/NZS 61000.3.2, AS/NZS 61000.3.3, AS/NZS 61000.6.3, AS/NZS 61000.6.4

AS/NZS 61000.3.12, AS/NZS 61000.3.11, AS/NZS 3200.1.2

IEC61000-6-3, IEC61000-6-4, EN61000-6-3, EN61000-6-4

IEC60601-1-2(Particular requirement IEC60601-2 series),

EN60601-1-2((Particular requirement EN60601-2 series)

JIS T0601-1-2(Particular requirement JIS T0601-2 series)

IEC61326-1(Particular requirement IEC61326-2 series),

EN61326-1(Particular requirement EN61326-2 series), JIS C1806-1